

SEQUENCE LISTING

<110> Schmidt, Brian

Chen, Tseng-hui

<120> Novel Leader Peptides for Enhancing Secretion of Recombinant Protein from a Host Cell

<130> COUL-012-01

<150> US 60/209,517

<151> 2000-06-05

<160> 25

<170> PatentIn version 3.0

<210> 1

<211> 24

<212> PRT

<213> Artificial

<220>

<223> synthetic peptide

<400> 1

Met Ala Lys Lys Asn Ser Thr Leu Leu Val Ala Val Ala Ala Leu Ile
1 5 10 15

Phe Met Ala Gly Arg Ala Asn Ala
20

<210> 2
<211> 24
<212> PRT
<213> Artificial

<220>
<223> synthetic peptide

<400> 2

Met Ala Lys Lys Asn Ser Thr Leu Leu Val Ala Val Ala Ala Leu Ile
1 5 10 15

Met Phe Thr Gln Pro Ala Asn Ala
20

<210> 3
<211> 24
<212> PRT
<213> Artificial

<220>
<223> synthetic peptide

<400> 3

Met Gly Lys Lys Gln Thr Ala Val Ala Phe Ala Leu Ala Leu Leu Ala
1 5 10 15

Leu Ser Met Thr Pro Ala Tyr Ala
20

<210> 4
<211> 24
<212> PRT
<213> Artificial

<220>
<223> synthetic peptide

<400> 4

Met Gly Arg Lys Gln Thr Ala Val Ala Phe Ala Leu Ala Leu Leu Ser
1 5 10 15

Leu Ala Phe Thr Asn Ala Tyr Ala
20

<210> 5

<211> 106

<212> DNA

<213> Artificial

<220>

<223> synthetic

<400> 5
accggttttt ttgggctaac aggaggaatt aaccatggct aaaaagaact ccaccctgct 60

cgttgcagta gctgcgctga tcttcatggc cggaagggcc aacgct 106

<210> 6

<211> 106

<212> DNA

<213> Artificial

<220>

<223> synthetic

<400> 6
accggttttt ttgggctaac aggaggaatt aaccatggct aaaaagaact ccaccctgct 60

cgttgcagta gctgcgctta tcatgttcac tcagccggcg aacgct 106

<210> 7

<211> 106

<212> DNA

<213> Artificial

<220>

<223> synthetic

<400> 7

accggttttt ttgggctaac aggaggaatt aaccatgggt aagaaacaga ccgctgttgc 60

attcgctctg gcgctcctgg ctctttctat gaccccggcg tacgct 106

<210> 8

<211> 106

<212> DNA

<213> Artificial

<220>

<223> synthetic

<400> 8

accggttttt ttgggctaac aggaggaatt aaccatgggt cgtaaacaga ccgcagtagc 60

attcgctctt gcgctgcttt ctctcgcttt caccaacgcg tacgct 106

<210> 9

<211> 74

<212> DNA

<213> Artificial

<220>

<223> synthetic

<400> 9

ccatggctaa aaagaactcc accctgctcg ttgcagtagc tgcgctgac ttcatggccg 60

gaagggccaa cgct 74

<210> 10

<211> 74

<212> DNA

<213> Artificial

<220>

<223> synthetic

<400> 10

ccatgggctaa aaagaactcc accctgctcg ttgcagtagc tgcgcttatac atgttcactc 60

agccggcgaa cgct 74

<210> 11

<211> 74

<212> DNA

<213> Artificial

<220>

<223> synthetic

<400> 11

ccatgggctcg taaacagacc gctggttgcac tcgctctggc gctcctgtct cttgctttca 60

ccaacgcgta cgct 74

<210> 12

<211> 74

<212> DNA

<213> Artificial

<220>

<223> synthetic

<400> 12

ccatgggtaaa gaaacagacc gctggttgcac tcgctctggc gctcctggct ctttctatga 60

ccccggcgta cgct 74

<210> 13

<211> 74

<212> DNA

<213> Artificial

<220>

<223> synthetic

<400> 13

ccatgggtaa gaaacagacc gctgttgcac tcgctctggc gctcctgtct cttgctttca 60

ccccggcgta cgct 74

<210> 14

<211> 24

<212> PRT

<213> Artificial

<220>

<223> synthetic peptide

<400> 14

Met Gly Lys Lys Gln Thr Ala Val Ala Phe Ala Leu Ala Leu Leu Ser
1 5 10 15

Leu Ala Phe Thr Pro Ala Tyr Ala
20

<210> 15

<211> 74

<212> DNA

<213> Artificial

<220>

<223> synthetic

<400> 15

ccatgggtcg taaacagacc gcagtagcat tcgctcttgc gctgctttct ctcgctttca 60

ccaacgcgta cgct 74

<210> 16

<211> 69

<212> DNA

<213> Escherichia coli

<400> 16

atgaaaaaga atatcgcat tcttcttgca tctatgttcg ttttttctat tgctacaaac 60

gcgtacgct 69

<210> 17

<211> 23

<212> PRT

<213> Escherichia coli

<400> 17

Met Lys Lys Asn Ile Ala Phe Leu Leu Ala Ser Met Phe Val Phe Ser
1 5 10 15

Ile Ala Thr Asn Ala Tyr Ala
20

<210> 18

<211> 68

<212> DNA

<213> Erwinia carotovora

<400> 18

ccatgaaata cctgctgccg accgctgctg ctgggtctgct gctcctcgct gccagccgg 60

cgaacgct 68

<210> 19

<211> 22

<212> PRT

<213> Erwinia carotovora

<400> 19

Met Lys Tyr Leu Leu Pro Thr Ala Ala Ala Gly Leu Leu Leu Leu Ala
1 5 10 15

Ala Gln Pro Ala Asn Ala
20

<210> 20

<211> 65

<212> DNA

<213> Escherichia coli

<400> 20

ccatgaaaaa gacagctatc gcgattgcag tggcactggc tggtttcgct accgtagcgc 60
aggcc 65

<210> 21

<211> 21

<212> PRT

<213> Escherichia coli

<400> 21

Met Lys Lys Thr Ala Ile Ala Ile Ala Val Ala Leu Ala Gly Phe Ala
1 5 10 15

Thr Val Ala Gln Ala
20

<210> 22

<211> 33

<212> DNA

<213> Artificial

<220>

<223> synthetic

<400> 22

accgcgttttt tgggctaaca ggaggaatta acc

33

<210> 23

<211> 24

<212> PRT

<213> Artificial

<220>

<223> synthetic peptide

<400> 23

Met Ala Lys Lys Asn Ser Thr Leu Leu Val Ala Val Ala Ala Leu Ile
1 5 10 15

Phe Met Ala Gly Arg Ala Leu Ala
20

<210> 24

<211> 72

<212> DNA

<213> Artificial

<220>

<223> synthetic

<400> 24

atggcctaaaa agaactccac cctgctcggtt gcagtagctg cgctgatctt catggccgga

60

agggccttgg cc

72

<210> 25

